

UTILITY PATENT APPLICATION TRANSMITTAL (Large Entity)

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Docket No.
708.159A

Total Pages in this Submission

TO THE ASSISTANT COMMISSIONER FOR PATENTSBox Patent Application
Washington, D.C. 20231

Transmitted herewith for filing under 35 U.S.C. 111(a) and 37 C.F.R. 1.53(b) is a new utility patent application for an invention entitled:

METHODS EMPLOYING PERMANENT MAGNETS HAVING REACH-OUT MAGNETIC FIELDS FOR ELECTROMAGNETICALLY PUMPING, BRAKING, AND METERING MOLTEN METALS FEEDING INTO METAL CASTING MACHINES

and invented by:

Valery G. Kagan

If a **CONTINUATION APPLICATION**, check appropriate box and supply the requisite information:

☐ Continuation ☐ Divisional ☒ Continuation-in-part (CIP) of prior application No.: 09/483,813
filed January 15, 2000

Which is a:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: _____

Which is a:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: _____

Enclosed are:

Application Elements

1. ☒ Filing fee as calculated and transmitted as described below
2. ☒ Specification having 71 pages and including the following:
 - a. ☒ Descriptive Title of the Invention
 - b. ☒ Cross References to Related Applications (if applicable)
 - c. ☐ Statement Regarding Federally-sponsored Research/Development (if applicable)
 - d. ☐ Reference to Sequence Listing, a Table, or a Computer Program Listing Appendix
 - e. ☒ Background of the Invention
 - f. ☒ Brief Summary of the Invention
 - g. ☒ Brief Description of the Drawings (if filed)
 - h. ☒ Detailed Description
 - i. ☒ Claim(s) as Classified Below
 - j. ☒ Abstract of the Disclosure

UTILITY PATENT APPLICATION TRANSMITTAL
(Large Entity)

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Docket No.
708.159A

Total Pages in this Submission

Application Elements (Continued)

3. ☒ Drawing(s) *(when necessary as prescribed by 35 USC 113)*
- a. ☒ Formal Number of Sheets 22 (twenty-two)
- b. ☐ Informal Number of Sheets _____
4. ☒ Oath or Declaration
- a. ☐ Newly executed *(original or copy)* ☐ Unexecuted
- b. ☒ Copy from a prior application (37 CFR 1.63(d)) *(for continuation/divisional application only)*
- c. ☒ With Power of Attorney ☐ Without Power of Attorney
- d. ☐ DELETION OF INVENTOR(S)
Signed statement attached deleting inventor(s) named in the prior application,
see 37 C.F.R. 1.63(d)(2) and 1.33(b).
5. ☒ Incorporation By Reference *(usable if Box 4b is checked)*
The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.
6. ☐ CD ROM or CD-R in duplicate, large table or Computer Program (Appendix)
7. ☐ Application Data Sheet (See 37 CFR 1.76)
8. ☐ Nucleotide and/or Amino Acid Sequence Submission *(if applicable, all must be included)*
- a. ☐ Computer Readable Form (CRF)
- b. ☐ Specification Sequence Listing on:
- i. ☐ CD-ROM or CD-R (2 copies); or
- ii. ☐ Paper
- c. ☐ Statement(s) Verifying Identical Paper and Computer Readable Copy

Accompanying Application Parts

9. ☐ Assignment Papers *(cover sheet & document(s))*
10. ☐ 37 CFR 3.73(B) Statement *(when there is an assignee)*
11. ☐ English Translation Document *(if applicable)*
12. ☐ Information Disclosure Statement/PTO-1449 ☐ Copies of IDS Citations
13. ☒ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503) *(Should be specifically itemized)*
15. ☐ Certified Copy of Priority Document(s) *(if foreign priority is claimed)*
16. ☒ Certificate of Mailing
- ☐ First Class ☒ Express Mail *(Specify Label No.):* EK091315262US

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Total Pages in this Submission

17. ☐ Additional Enclosures (please identify below):

--

18. ☐ Pursuant to 35 U.S.C. 122(b)(2), Applicant hereby requests that this patent application not be published pursuant to 35 U.S.C. 122(b)(1). Applicant hereby certifies that the invention disclosed in this application has not and will not be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication of applications 18 months after filing of the application.

An applicant who makes a request not to publish, but who subsequently files in a foreign country or under a multilateral international agreement specified in 35 U.S.C. 122(b)(2)(B)(i), must notify the Director of such filing not later than 45 days after the date of the filing of such foreign or international application. A failure of the applicant to provide such notice within the prescribed period shall result in the application being regarded as abandoned, unless it is shown to the satisfaction of the Director that the delay in submitting the notice was unintentional.

UTILITY PATENT APPLICATION TRANSMITTAL
(Large Entity)

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Docket No.
708.159A

Total Pages in this Submission

Fee Calculation and Transmittal

CLAIMS AS FILED

For	#Filed	#Allowed	#Extra	Rate	Fee
Total Claims	25	- 20 =	5	x \$18.00	\$90.00
Indep. Claims	12	- 3 =	9	x \$84.00	\$756.00
Multiple Dependent Claims (check if applicable) <input type="checkbox"/>					\$0.00
BASIC FEE					\$740.00
OTHER FEE (specify purpose) _____					\$0.00
TOTAL FILING FEE					\$1,586.00

- ☒ A check in the amount of \$1,484.00 to cover the filing fee is enclosed.
- ☒ The Commissioner is hereby authorized to charge and credit Deposit Account No. 16-0490 as described below. A duplicate copy of this sheet is enclosed.
- ☒ Charge the amount of \$102.00 as filing fee.
- ☒ Credit any overpayment.
- ☒ Charge any additional filing fees required under 37 C.F.R. 1.16 and 1.17.
- ☐ Charge the issue fee set in 37 C.F.R. 1.18 at the mailing of the Notice of Allowance, pursuant to 37 C.F.R. 1.311(b).


Signature

G. Kendall Parmelee
Reg. No. 17,319
PMB 307
800 Village Walk
Guilford, CT 06437
Telephone: (203) 453-6883
Fax: (203) 453-1486

Dated: February 26, 2002

cc:

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Valery G. Kagan
Serial No.: Unknown (C-I-P of 09/483,813)
Filing Date: February 26, 2002
Examiner of Parent
Appln. 09/483,813): Scott Kastler
Group Art Unit of Parent
Appln. 09/483,813): 1742
For: **METHODS EMPLOYING PERMANENT MAGNETS HAVING REACH-OUT
MAGNETIC FIELDS FOR ELECTROMAGNETICALLY PUMPING,
BRAKING, AND METERING MOLTEN METALS FEEDING INTO METAL
CASTING MACHINES**

CERTIFICATE OF EXPRESS MAILING


Commissioner for Patents
Washington, D.C. 20231

SIR:-

Date of Express Mailing : February 26, 2002
Express Mailing Label No.: EK091315262US

I hereby certify under 37 C.F.R. Section 1.10, the following are being deposited with the United States Postal Service using "Express Mail Post Office to Addressee" service of the United States Postal Service and are being mailed with sufficient postage to: Box Patent Application, Commissioner for Patents, Washington, D.C. 20231:

1. Patent Application Transmittal Letter in Duplicate;
2. Patent Application with Specification, Claims, 22 Sheets of Drawings, Abstract; and copy of Declaration and Power of Attorney; and
3. Preliminary Amendment to Accompany Application;
4. Check No. 2612 in the amount of \$1,484.00; and
5. Return postcard.



Beth L. Parmelee
PMB 307
800 Village Walk
Guilford, CT 06437

Docket No. 708.159A